BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Electrical Division

Name of Work:-Detailed Estime for Providing and Fixing LED Street Lights and other Fittings in Ward No 9.

Budget Head : P3110-14th Finance Grant works

Ward No. 09 Estimate No:- 32/2017-18 For Rs. **1000000.00**

Sl No	SR Page & SL No	Description Of Work	Qty	Rate	Unit	Amount
		KPWD (Ele) S.R.2014-15				
1	26/4.35.3	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II.LED Streetlight 65watts	44	18720.00	each	823680.00
2	108 /17.1.2	Supplying & fixing of 32 mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. Using 32mm dia G.I pipe	35	893.00	Each	31255.00
3	12/2.12.1	Wiring for lighting / power circuit using one of pvc insulated 1100v grade stranded aluminum unsheathed wire single core cable in open or concealed system of wiring as per IS - 694 : 19904sq mm	200	7.50	Per Mtr	1500.00
	34/5.11	Supplying and stringing of ACSR Conductor (6/2.59mm Al +1/2.59mm Steel).	1000	30.00	Per Mtr	30000.00
	34/5.9.1	1.1 KV Pin Insulator	15	44.00	Each	660.00
	33/5.4.2	2 Pin 45x45x5mm -510mm	15	306.00	Each	4590.00

	5.4.2	Supply and fixing of .....cross arm including all Hardware's complete as per the standard technical specification of BESCOM. 2 Pin 45x45x5mm -510mm	30	306.00	Nos	9180.00
		Total Rs				900865.00
		KRIDL Charges 11%				99095.15
		Mislenious Charges				39.85
		Total Rs				**1000000.00**

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R.2014-15 , BESCOM Sr 16-17 and Approved Rates

Asst. Engineer (Elec)

Asst. Exe. Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 10.00 LAKHS
RUPEES. TEN LAKHS ONLY
is accorded under P 3290 14th FINANCE COMMISSION WORKS PROVIDING STREET LIGHTS AND MAINTENANCE
Registered as EE No. 32/2017-18 Subject to conditions contained in enclosed memo No. EE/ELE/42/AS/29/2017-18 of 01.02.2018

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 10.00 LAKHS
Rupees TEN LAKHS ONLY
Under P 3290 14th FINANCE COMMISS-ION WORKS PROVIDING STREET LIGHTS
Registered as EE ( ) No. 32/2017-18
Subject to conditions contained in enclosed memo EE ( ) No. EE/ELE/42/TS/12/17-18
Dt. 01.02.2018
EE/ELE/42/AS/29/2017-2018 Estimate A/ Sanctioned No.
Dated 01.02.2018 Rs. 10.00 LAKHS

Executive Engineer